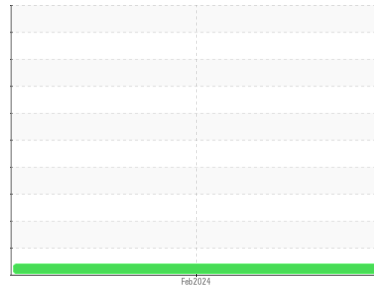




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area

Plant US1 Greenville

Machine Id

EB4-1 - Plastifier

Component

Gearbox

Fluid

SHELL OMALA 320 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		TLC0001455	---	---
Sample Date	Client Info		19 Feb 2024	---	---
Machine Age	Client Info		0	---	---
Oil Age	Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			MARGINAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		54	---	---
Iron	ppm ASTM D5185m	>200	125	---	---
Chromium	ppm ASTM D5185m	>15	<1	---	---
Nickel	ppm ASTM D5185m	>15	2	---	---
Titanium	ppm ASTM D5185m		<1	---	---
Silver	ppm ASTM D5185m		<1	---	---
Aluminum	ppm ASTM D5185m	>25	5	---	---
Lead	ppm ASTM D5185m	>100	<1	---	---
Copper	ppm ASTM D5185m	>200	5	---	---
Tin	ppm ASTM D5185m	>25	<1	---	---
Vanadium	ppm ASTM D5185m		<1	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	5.5	0	---	---
Barium	ppm ASTM D5185m	0.4	0	---	---
Molybdenum	ppm ASTM D5185m	0.5	0	---	---
Manganese	ppm ASTM D5185m		2	---	---
Magnesium	ppm ASTM D5185m	23	17	---	---
Calcium	ppm ASTM D5185m	13	17	---	---
Phosphorus	ppm ASTM D5185m	450	286	---	---
Zinc	ppm ASTM D5185m	9.9	701	---	---
Sulfur	ppm ASTM D5185m	8181	15489	---	---

CONTAMINANTS

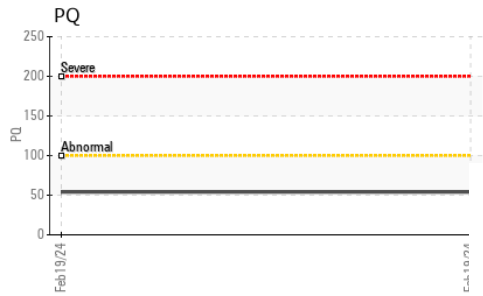
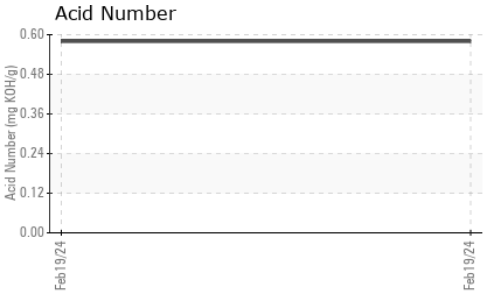
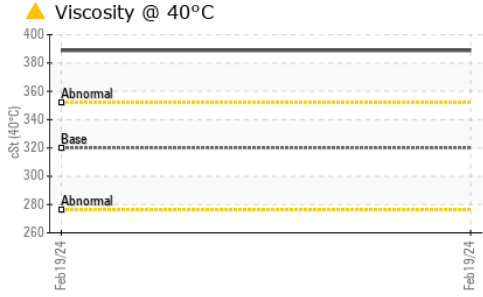
	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>50	24	---	---
Sodium	ppm ASTM D5185m		4	---	---
Potassium	ppm ASTM D5185m	>20	21	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		0.58	---	---



OIL ANALYSIS REPORT



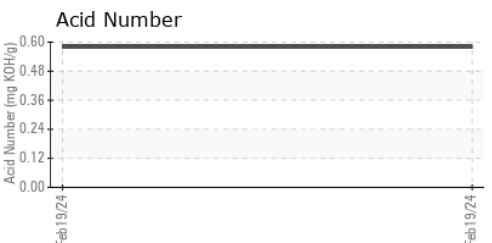
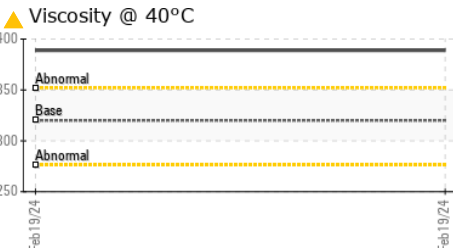
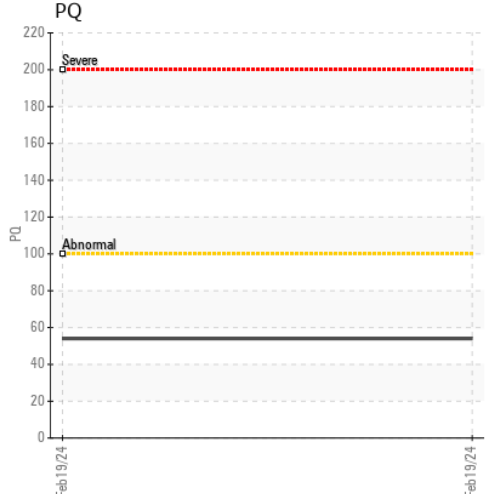
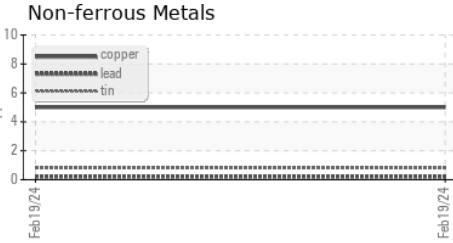
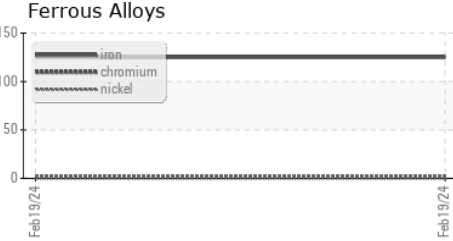
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	320	▲ 388.9	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TLC0001455 **Received** : 23 Feb 2024
Lab Number : 06098552 **Tested** : 28 Feb 2024
Unique Number : 10896782 **Diagnosed** : 28 Feb 2024 - Jonathan Hester
Test Package : PLANT

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 US 29605
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 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)